

Bill of Quantity for Interior Decoration including Civil and Electrical Work for Integrated ERC & Office Setup at Guwahati, Assam

| | | |
|---|--|----------------------------------|
| A | Availability of Bidding Documents | 22/12/2016 onwards |
| B | Pre-bid conference | 30/12/2016 at 14.30 Hours |
| C | Last date for submission of Bids | 12/01/2017 by 10.00 Hrs |
| D | Opening of Techno – commercial Bid) | 12/01/2017 by 11.00 Hrs |
| E | Opening of Price Bid (Commercial Evaluation) | 18/01/2017 by 10.30 Hrs |

GVK EMRI, “Subham Greens” 2nd Floor, Lokhra, Guwahati, Assam - 781 040.

| GVK Emergency Management and Research Institute, "Subham Greens" 2nd Floor, Lokhra, Guwahati, Assam - 781040 | | | | | |
|--|--|------|---------|------|-------------|
| Bill of Quantity for setting up of ERC and Office - Supply and Errection / Installation / Testing / Commissioning | | | | | |
| Sr.No | Items | unit | Qty | Rate | Total Value |
| | CIVIL WORK | | | | |
| 1 | Demolition & Dismantling | | | | |
| a | Demolition of existing wall inclusive of removal of lintels, slabs, cleaning etc, and disposal of debris at indicated location off site. | sqft | 1092.27 | | |
| c | Laying of PCC (or brickbat coba)1:2:4 (1 Cement, 2 Sand & 4 Stone aggregate) of thickness as required to achieve desired slope - toilet | sqft | 600 | | |
| d | Providing and applying water proofing coat of Sika/roff . Water proofing to be done on vertical walls upto 24" height - Toilet | sqft | 600 | | |
| 2 | Masonry Work | | | | |
| a | Providing and constructing half brick (115mm thick) masonry clay burnt to achieve a fire rating of 120 minutes in cement mortar 1:4 including raking of joints, curing etc. complete. , 115 x 150mm RCC Patli beams in cement concrete 1:2:4, with 4 Nos 8mm Tor steel reinforcement equally distributed at top and bottom, inclusive of scaffolding etc. complete for all leads and lifts. | sqft | 2245.54 | | |
| b | Providing internal cement plaster or "JK lakshmi one coat" , 12mm thick in a single coat of 1:4 cement mortar to concrete and masonry surfaces in all positions including of hacking of RCC surfaces, preparing surface before applying plaster, proper curing, scaffolding etc complete. The rate to be inclusive of 20 guage chicken wire mesh at the junction of masonry and RCC, etc. complete. | sqft | 4668 | | |

| | | | | | |
|---|---|------|------|--|--|
| c | Providing, laying, compacting RCC lintels of the following sizes cast in situ in 1:2:4 cement concrete with 4 nos of 8mm TOR steel reinforcement with stirrups including 12mm cover, necessary shuttering, curing, compacting, bending of steel reinforcement. | | | | |
| | i) Size 150 x 150mm | rft | 90 | | |
| 3 | Tile Skirting fixing 9mm ply over GI partition of Gypsum and then fixing 3" height skirting to it. | rft | 740 | | |
| 4 | Making holes in walls for AC ducting etc. gently, without damaging them and making good the affected areas with smooth plaster, inclusive of lintels in cuddapah stone of thickness 25mm-38mm or in RCC cast in situ in 1:3:6 cement concrete ratio (1unit-cement: 3unit- sand, 6unit- course aggregate) with 4 nos of 8mm TOR steel reinforcement with necessary shuttering, to be provided where ever required only on top side and remaining three sides will be finished with smooth cement plaster of ratio 1:4 (1unit- cement, 4unit- fine screened sand) Cost to be inclusive of Filling of excess opening with brick work and finished in smooth plaster, proper curing etc complete. | nos | 15 | | |
| 5 | Building of D.G base with PCC in ratio 1:3:8 of size (12"(L)x5'0"(B)x6"(H)) with plastering all around. | Each | 1 | | |
| 6 | Flooring & Cladding | | | | |
| a | Providing and fixing of ceramic wall tiles size of 450X300 mm with 12 to 15 mm cement sand mortar as per approved shade and colour. Item is complete including grouting of joints with white cement slurry mixed with pigment to match with the shade of tile. | Sqft | 1653 | | |
| b | Providing and fixing 600mm x 600mm ceramic tiles including 100mm high skirting. Item is complete including grouting of joints with cement based grout matching with the shade of tile. The tiles shall be in perfect level with each other and shall not make hollow when walked over. Item includes repair of base in PCC if required. | Sqft | 572 | | |
| 7 | W.C Cubicle in compact laminate sheet | Nos | 9 | | |
| 8 | Plumbing | | | | |
| a | Providing CPVC pipe and SWR pipelines (internal work) | | | | |
| | Making of toilets complete -Internal plumbing of toilet , Laying of GI, CI pipe work as per the layout. Piping: P/L and jointing of GI heavy quality ISI marked pipe including GI fittings as required to proper alignment and grade testing with enamel paint(All joints, bends, elbows, unions etc are included) P/F of following items. Complete in all respects. | LS | 6 | | |
| | P/ F of WC, geyser, single lever tap fixtures. All items as per attached list of specifications Item includes all accessories- floor traps, soap dispensers, towel rails, mirrors, concrete and stone counters, etc. Item is complete in all respects as per architectural drawings. | | | | |
| b | Providing Water Closet - | Nos | 10 | | |
| c | Providing Wash Basin -Complete in all respects. | Nos | 9 | | |
| e | Providing Urinal - complete in all respects. | Nos | 7 | | |
| f | Providing C.P. Fittings for the entire toilet. Complete in all respects. | Nos | 6 | | |

| | | | | | |
|----------|--|--------|----------|--|--|
| g | Providing Urinal Partition in Granite 500mm X 1000mm. Complete in all respects. | Nos | 4 | | |
| h | Providing 5mm thk Mirror with 32mm thk teak wood frame of size 2'-6" X 3'-3" Complete in all respects. | Nos | 9 | | |
| j | Providing & fixing Wash Basin Counter with 18mm thk. granite top edge polished complete with cut out for wash basin with undercounter storage in WPC boards. Only in director toilet | Rft | 6 | | |
| | Sub Total - CIVIL WORK | | | | |
| | Add:- Sales Tax (VAT) | | | | |
| | Add:- Service Tax | | | | |
| | Sub Total Including Tax - CIVIL WORK | | | | |
| | CARPENTRY WORK | | | | |
| 1 | Partitions | | | | |
| a | 75 MM thick Gypsum partition providing & Fixing full height solid Gypsum Board Partitions till false ceiling with GI frame. Providing and fixing full height Gypsum Board (12 mm thick) to wall/ partition till false ceiling/bottom of slab in line and level. Rate to include cost of filling joints with joint tapes & jointing powder). IN HEAVY LOCAL GI CHANNELS | Sq.ft. | 3,895.33 | | |
| 2 | Storages | Sq.ft. | 336.00 | | |
| | Providing and fixing low height storages in 18mm thick prelaminated board of ASIS/ACTION/ROYAL TOUCH company including 25mm thick Top with post formed edge, intermediate shelves in Double Side PreLaminated board and all the exposed edges to be finished with edge banding of 2mm thickness of REHAU company. Rate to include of necessary nos of locks, auto closing hinges for shutter, approved handles, magnetic ball-catch, etc complete as directed | | | | |
| 3 | Doors | | | | |
| a | Providing 12mm thick glass door in aluminium jumbo section. | SFT | 322.00 | | |
| b | Repairing old door by applying laminate in both side and replacing the hardware | SFT | 155.00 | | |
| 4 | Providing and fixing ply panelling , of 12mm thick. Exterior grade grade MDF fixed in line & level, finished in 1.0mm thick. approved shade laminate with 12mm thick teak wood beading finished in melamine polished match to laminate shade as directed. | SFT | 1,558.00 | | |
| 5 | Providing fixing pantry counter/handwash/buffet counter made out of black stone understructure and black granite stone on top. The under counter storage shall be covered with WPC (unlaminated) boards. Platform height shall be 36" | rft | 12.33 | | |

| | | | | | |
|---|---|--------|----------|--|--|
| 6 | Loose Furniture | | | | |
| | Providing and installing modular workstations with the following specifications: and sizes. The vertical panels shall be 50mm thick and 1200mm high supported on a framework of aluminium extrusion sections powder coated to approved colour. The infill panels shall be finished with fabric of approved colour. The panels shall have levellers at regular intervals. The worksurface shall be 530 mm deep made of 25mm prelaminated particle board with 2.0mm thick edgeband. The workstation shall have an in-built wire management system for power and data cables. There shall be two raceways - one below the table top where the power and data sockets shall be fixed and the other at the skirting level. The workstation shall have a keyboard tray fixed to the worksurface with clamps and sliding channels. | | | | |
| a | 4'6" x 2'0" Workstation table without pedestal | Nos | 4.00 | | |
| b | 4'6" x 4'0" Workstation table without pedestal | Nos | 38.00 | | |
| c | 3'9" x 1'9" Workstation table with pedestal | Nos | 48.00 | | |
| d | Team leader table | Nos | 1.00 | | |
| e | Server room work table top - 6' length | Nos | 1.00 | | |
| f | Complete manager cubicle with 1200mm ht partitions, specifications same as workstation partition, with table, side table and back table. Partition area - 136 approx. | Nos | 8.00 | | |
| g | COO room Table with side table and back table. | Nos | 1.00 | | |
| h | Conference Table (15'9"(L) x 4'(W) x 2'6"(H)) | Nos | 1.00 | | |
| i | Director Table (6'(L) x 3'(W) x 2'6"(H)) | Nos | 1.00 | | |
| j | Dinning Table (6'(L) x 3'(W) x 2'6"(H)) | Nos | 3.00 | | |
| k | Discussion Table (3' diameter x 2'6"(H)) | Nos | 2.00 | | |
| l | Reception Table (4'6"(L) x 2'(W) x 2'6"(H)) | Nos | 1.00 | | |
| m | Training room table (4'(L) x 2'(W) x 2'6"(H)) | Nos | 2.00 | | |
| n | Reception Backdrop paneling with pelmet and GVK Logo | Sqft | 52.00 | | |
| o | Installation of old workstations without any spares | Each | 59.00 | | |
| 7 | Miscellaneous | | | | |
| a | Supply & installation of vertical blinds of vista levolar/MAC company. | Sq.ft. | 1,111.25 | | |
| b | Raised Flooring providing and laying 500x500mm Anti-static fire resistant steel raised access floors (rate of size change should not exceed <0.25%) from GYPTECH FLOOR SYSTEM OR EQUIVALENT as per the details. | Sq.ft. | 195.66 | | |
| c | Ventilation floor tile for the server room | Each | 2.00 | | |
| | Sub Total - Carpentry Work | | | | |
| | Add:- Sales Tax (VAT) | | | | |
| | Add:- Service Tax | | | | |
| | Sub Total Including Tax - Carpentry Work | | | | |

| | | | | | |
|----------|---|--------|----------|--|--|
| | FALSE CEILING & FINISHING | | | | |
| 1 | False Ceiling | | | | |
| a | Providing and fixing Gypsum False Ceiling of India Gypsum make which includes G.I. Perimeter Channels of size .55mm thick (having One Flange of 20mm. and another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall / partition with the help of Nylon sleeves and screws at 610mm centres. Then suspending G.I. intermediate channels of size 45mm (0.9mm thick with 2 flanges of 15mm each) from the soffit at 1220mm centres with ceiling angle of width 25mm X 10mm X 0.55mm thick fixed to soffit with G.I. cleat and steel expansion fasteners. Ceiling section of 0.55mm thick having knurled web of 51.5mm and 2 flanges of 26mm each with lips of 10.5mm are then fixed to the intermediate channel with the help of connecting clips and in direction perpendicular to the intermediate channel at 450 mm centres. IN HEAVY LOCAL GI CHANNELS | Sq.ft. | 1107.00 | | |
| | 12.5mm tapered edge Gypboard (conforming to IS 2095-1982) is then screw fixed to ceiling section with 25mm dry wall Philips screws at 230mm centres. Screw fixing is done mechanically with drilling machine with suitable attachment. Finally tapered edges of the Gyp boards are to be jointed and finished so as to have a flush look which includes filling and finishing with jointing compound, paper tape etc complete as per the recommended practices of India Gypsum. Rate to be included all kinds of profiles and cut outs required for light fixtures, Speakers, Smoke detector, trap doors and AC grill in the ceiling. | | | | |
| b | Vertical band | rft | 408.00 | | |
| c | Providing and fixing 8mm gypsum Board modular Ceiling in standard make, flat edge Mineral textured tiles with approved surface pattern of size 600mX600mm having Noise reduction Co-efficient 0.5 - 0.6 , light reflection over 75%, Relative Humidity 95%, Suspension system of grid system, suspension wires & anchor fasteners as per the manufacturer's specification, Suspension wires to be provided at every 600mmm c/c with two nos of ties on each anchor fastener. NON Branded | Sq.ft. | 2936.00 | | |
| 2 | Finishing | | | | |
| a | Providing & applying plastic Paint on wall & ceiling of approved shade and colour of ICI Dulux / Asian Paints or equivalent make in minimum three coat , including preparation of surface, scrapping, sand papering, scaffolding etc complete | Sq.ft. | 26800.00 | | |
| | Sub Total - False Ceiling & Finishing | | | | |
| | Add:- Sales Tax (VAT) | | | | |
| | Add:- Service Tax | | | | |
| | Sub Total Including Tax - False Ceiling & Finishing | | | | |
| | ELECTRICAL | | | | |

| PART - 1 | POINT WIRING | | | | |
|---------------------|---|------|------|--|--|
| 1.1 | Providing Point wiring for Light / Fan / Exht Fan/ Bell Concealed Type/ foot lamp with 2 x 1.0 Sq.mm. Copper PVC Insulated wire 1.1 KV grade ISI marked in rigid ISI mark PVC conduit minimum 20 mm (1.6 mm thick)dia. with necessary accessories Viz. deep junction, boxes inspection boxes, bends & fan boxes etc. making complete piping rigid by adhesive / resin and fixed with dinding wire, 'U' nails, all duly concealed in ceiling, RCC slab beam while casting and in walls by making chases; finished with cement mortar to match background complete with ceiling rose / lamp holder / connector, erected on original sheet metal box /non metallic un - breakable box flush on wall with double (mounting & cover) plate type modular switches (length 5 mtr.) | | | | |
| a) | 1 Point Controlled by switch | Pts | 10 | | |
| b) | 2 Point Controlled by switch | Pts | 100 | | |
| c) | 3 Point Controlled by switch | Pts | 32 | | |
| 1.2 | Supplying, installation independ switch socket with 3x5A modular type socket and 6 A modular type switch erected on Independent original sheet metal box flush on wall with necessary finishing as per the double mounting and cover Plate complete. (Computer Point) | Pts | 167 | | |
| 1.3 | Providing & fixing Power switch socket suitable for AC comprising of 25A Socket and 25 A Switch near AC with third pin properly earth. complete as required. | Pts | 25 | | |
| 1.4 | Supplying & fixing following sizes PVC conduit along with accessories on surface/recess for the light & power circuit wiring from MCB DB to Light switch boards/ Power Points Board/ Telephone & TV wiring/ AC wiring etc. as required.ISI Mark (1.6 mm wall thick) | | | | |
| a) | 25 mm dia (Light Circuits) | Mtr | 1850 | | |
| b) | 25 mm dia (UPS Circuits) | Mtr | 1350 | | |
| c) | 25 mm dia (Power Circuits, AC) | Mtr | 850 | | |
| d) | 40 mm dia (Telephone/LAN) | Mtr | 2450 | | |
| 1.5 | Supplying & drawing the following sizes of PVC insulated copper wire in the existing surface / recess PVC conduit along with PVC earth wire as required | | | | |
| a) | 2 x 1.0 sq. mm + 1.0 Sq.mm (E) (Light) | Mtr | 3250 | | |
| b) | 2 x 2.5 sq. mm + 2.5 Sq.mm (E) (Computer) | Mtr | 1900 | | |
| c) | 2 x 4 sq. mm + 4 Sq.mm (E) (Power) | Mtr | 1250 | | |
| 1.6 | Industrial socket RAW power supply below server room false floor | Each | 10 | | |
| PART - 2 | LIGHT FIXTURES & FITTINGS | | | | |
| 2.1 | Supplying & erecting LED lights of fortune art/Wipro company. Size 24" x 24" for modular ceiling. | Nos | 32 | | |
| 2.2 | Supplying and erecting Exhaust fan light duty 230 V, A.C. 50 cycles 375 mm. 900 RPM complete erected in position (UPS) | Pts | 5 | | |
| 2.3 | Ceiling fan | Nos | 4 | | |

| | | | | | |
|-----------------|---|-----|-----|--|--|
| 2.4 | Supplying & erecting LED tube light fitting having electronic balast with low power factor | Nos | 68 | | |
| 2.5 | 48" Ceiling fan | Nos | 30 | | |
| 2.6 | Fixing of old lights without any spare parts | Nos | 60 | | |
| PART - 3 | LT PANEL & DISTRIBUTION BOARDS | | | | |
| 3.1 | Supplying , testing & commissioning of L.T. Panel fabricated from M.S sheet 2 mm thick of suitable size compartmentalization of floor mounted type duly painted i/c providing & fixing following panel mounting switchgears & meters etc therein i/c making connection, earthing & lettering as required. | Nos | 1 | | |
| | INCOMING | | | | |
| a | 250 Amp FP 25 kA MCCB . - 1No. | | | | |
| b | 160 Amp FP 16K . - 4No. (For UPS) | | | | |
| c) | 32 Amp TPN MCB . - 10No. | | | | |
| d) | 63 Amp TPN MCB . - 9No. | | | | |
| e | 6 Amp SP MCB. - 3No. | | | | |
| f | 10 Amp SP MCB. - 16No. | | | | |
| g | 16 Amp SP MCB. - 70No. | | | | |
| h) | 20 Amp SP MCB. - 12No. | | | | |
| i) | 200 Amps 4 strip Aluminum Bus Bar | | | | |
| j | Ammeter - 1 no. | | | | |
| k | Phase indication lamp with MCB - 3 nos. | | | | |
| l | Smart Energy Meter - 1 No. | | | | |
| 3.2 | Distribution Board | | | | |
| 3.2.1 | Supplying & erecting distribution board (Confirming to IS : 13032 and IEC Standard of IP 43) Surface /Flush mounted made from 18 gauge sheet steel / CRCA with stove enamel paint / powder coated, double door with front door earthing suitable for TP 63A MCCB as incomer & DP ELCB as Sub Incomer & Three Pole, Single Pole as out going MCBs as out going (8+12+24) having 200A Bus Bar with Blanking Plates, Identification Lables, Earth Bar / Phase erected on angle iron frame complete as required (UPS System) | Nos | 2 | | |
| PART- 4 | LT CABLING & TERMINATIONS | | | | |
| 4.1 | CABLING | | | | |
| | Supplying & laying of following sizes of PVC insulated PVC sheath. Alum./ Copper armoured UG cable in ground on surface of wall/ceiling with 2 x 8 SWG wire for loop earthing as required. (ISI mark) | | | | |
| a) | 3.5 C x 180 sq. mm. armoured. | Mtr | 190 | | |
| b) | 3.5C x 35 sq.mm. (UPS) copper | Mtr | 75 | | |
| c) | 10 sq.mm.(earthing) | Mtr | 480 | | |
| d) | 16 sqmm aluminium armoured | Mtr | 75 | | |
| 4.2 | Supplying and making cable end termination for the UG cables of following sizes with Gland & Aluminum /Copper lugs as required. | | | | |

| | | | | | |
|-----------------|--|------|-----|--|--|
| a) | 3.5C x 180sq.mm. | Nos | 10 | | |
| b) | 3.5C x 35sq.mm. | Nos | 10 | | |
| c) | 10sq.mm. | Nos | 25 | | |
| PART - 5 | EARTHING | | | | |
| 5.1 | Supply, installation, testing and commissioning of maintenance free chemical earthing of OBO betterman , CCM chemicals and sealed at both ends. Tube shall have double layer electrode, lead conductor welded to tube, with back fill and cast iron cover 300 x 300 mm and complete in all respects. (The installation procedures should be followed as instructed by the Earth Electrode supplier). | Nos. | 10 | | |
| 5.2 | Supplying & drawing the following sizes of copper wire in the existing surface / recess PVC conduit along with PVC earth wire as required | | | | |
| a | 8 No. copper tar | Mtr | 300 | | |
| 6 | <u>RACEWAY AND CABLE TRAY</u> | | | | |
| 6.1 | <u>IN FLOOR/ SCREED RACEWAY</u> | | | | |
| | Supply & Fixing of factory fabricated G.I. painted sheet steel raceway in 2mm thickness for bottom & sides and 2/3mm thick top Cover as called for including necessary civil work such as chase cutting in screed, fixing/ jamming the raceway, aligning & levelling and finishing with sand cement plaster & chicken wire mesh: | | | | |
| | 40mm Depth | | | | |
| | 300mm x 40mm | RM | 190 | | |
| 6.2 | <u>Floor Junction Boxes</u> | | | | |
| | Supply & Fixing of openable top Cover floor Junction Boxes made from 2mm thick pre-galvanised GI sheets for bottom & sides & 3mm thick GI top Cover complete with rubber gasketing beneath the top Cover. The Junction Boxes shall be suitable to accommodate GI floor raceways as specified above, necessary civil work as described in earlier item to be included here too. | | | | |
| | For 40mm Depth raceway | | | | |
| | 350 x 350 x 60 (3mm. Thick SS Cover in floor) | No. | 20 | | |
| | Sub Total - Electrical | | | | |
| | Add:- Sales Tax (VAT) | | | | |
| | Add:- Service Tax | | | | |
| | Sub Total Including Tax - Electrical | | | | |
| | <u>ACCESS CONTROL, CCTV Camera</u> | | | | |
| A | ACCESS CONTROL SYSTEM | | | | |
| | Make- (MAKE-SYRIS/ZICOM) | | | | |
| | Supply, Installation, testing and commissioning of following- | | | | |
| 1 | 4Door Networkable Controller, 8Readers (4IN/4OUT), 4relays, 6000Card Holder Capacity, 4900 Transaction Storage Capacity, Timer / Time Zone / APP sets / Holidays / AntiPass back, 8x2LCD Display, | Nos | 2 | | |

| | | | | | |
|----------|---|------|------|--|--|
| 2 | Biometrics as Reader with inbuilt Proximity Reader - Fingerprint cum card reader with Time Attendance including software Make Syris, Secure eye | Nos | 1 | | |
| 3 | Proximity Card Reader, | Nos | 5 | | |
| 4 | Proximity cards | Nos | 200 | | |
| 5 | Single Electromagnetic Locks for Glass door, Single Leaf - 600 lbs | Nos | 4 | | |
| 6 | Suitable Bracket for Single Electromagnetic Lock for Glass Door, Single Leaf | Nos | 4 | | |
| 7 | Single Electromagnetic Locks for Glass Door, Double Leaf | Nos | 1 | | |
| 8 | Suitable Bracket for Single Electromagnetic Lock for Glass Door, Double Leaf | Nos | 1 | | |
| 9 | Modular exit Button Stainless Steel, | Nos | 5 | | |
| 10 | Magnetic Door Contacts | Nos | 5 | | |
| 11 | Door Sensor | Nos | 5 | | |
| 12 | FRLS PVC Medium duty conduits including all accessories concealed/exposed in F. ceiling / wall complete as required including 1.6 mm thick PVC junction or pull boxes with 3mm thick perspex sheet cover plate complete with 1.6 mm dia G.I. pull wires in the length of conduit. | | | | |
| a | 25 mm dia conduit (1.6 mm wall thickness) | Rmt | 540 | | |
| 13 | FRLS multi core shielded flexible PVC insulated copper conductor wires. | | | | |
| a | 8 core - 18 AWG Controller to Card Reader | Rmt | 660 | | |
| b | 4 core - 18 AWG Controller to Card Reader | Rmt | 450 | | |
| 14 | 4 pair cat 6, minimum 23 AWG, 100 ohms 250 Mhz UTP cable that should conform or exceed component specifications TIA/EIA-568-A standards for physical & electrical Specifications. The cable should be unshielded type having flame retardant properties to Cat6 UTP standard. Make-Legrand/Systemix/Panduit/PolyCab | Rmt | 1100 | | |
| B | CCTV SYSTEM | | | | |
| | Supply, Installation, testing and commissioning of following- | | | | |
| | Make- CP PLUS/ZICOM/HikVision | | | | |
| 1 | 1/3" High Quality Image Sensor 600 TVL High Resolution Camera 0.3 Lux 2.8-12 mm Varifocal Lens IR Range of 50M with 4 Array Leds AGC, AWB, BLC CE, FCC and RoHS Certified Make- CPPLUS, | Nos. | 14 | | |
| 2 | 16 channel DVR controlling Up to 8 cameras with full HD 1080P display H.264 dual-stream video compression Full channel D1(4CIF) realtime recording HDMI / VGA / TV/Spot(BNC) synchronous video output Live, recording, playback, backup & remote access 8 channel simultaneous realtime playback & smart search Smart video detection: MD, camera blank, video loss Easy backup: USB devices, network download Alarm triggering screen tips, Make- CPPLUS, | Nos. | 1 | | |
| 3 | Hard Disk - 4 TB Make- Seagate/WD, Surveillance Grade | Nos | 1 | | |
| 4 | SMPS Based Power Supplies | Nos. | 14 | | |
| 5 | 21" HD LED Colour Monitor Make-LG / AOC/ Samsung | Nos. | 1 | | |

| | | | | | |
|----|---|-------|------|--|--|
| 6 | FR PVC Medium duty conduits including all accessories concealed/exposed in F. ceiling / wall complete as required including 1.6 mm thick PVC junction or pull boxes with 3mm thick perspex sheet cover plate complete with 1.6 mm dia G.I. pull wires in the length of conduit. | | | | |
| a | 25 mm dia conduit (1.6 mm wall thickness) | RM | 550 | | |
| 7 | 3 + 1 PVC insulated copper conductor cable for camera. | RM | 1050 | | |
| 8 | HDMI Cable 1.5 Mtr for DVR and LED | Nos. | 1 | | |
| 9 | HDMI Cable 15 Mtr for conference room | Nos. | 1 | | |
| 10 | BNC DC Connector | Nos. | 56 | | |
| | Sub Total - Access Control, CCTC Camera | | | | |
| | Add:- Sales Tax (VAT) | | | | |
| | Add:- Service Tax | | | | |
| | Sub Total Including Tax - Access Control, CCTV Camera | | | | |
| | AIRCONDITIONING (Including Gas Charging) | | | | |
| 1 | Installation & minor repairing Charges For Cassette AC | Each | 12 | | |
| 2 | Installation & minor repairing Charges For split AC | Each | 25 | | |
| 3 | Extra Copper Pipe For Cassette/Split AC's (approximate quantity) | RFT | 1650 | | |
| 4 | Iron Stand For Cassette AC's | Each | 14 | | |
| 5 | Iron Stand For Split AC's | Each | 16 | | |
| 6 | PVC Drain Pipe (approximate quantity) | RFT | 850 | | |
| 7 | Electric cable for Cassette/Split AC (approx) | RFT | 1650 | | |
| 8 | Wall chiseling | RFT | 500 | | |
| 9 | Timer | Nos | 2 | | |
| | Sub Total - Air Conditioning (Including Gas Charging) | | | | |
| | Add:- Sales Tax (VAT) | | | | |
| | Add:- Service Tax | | | | |
| | Sub Total Including Tax - Air Conditioning (Including Gas Charging) | | | | |
| | LAN | | | | |
| | Supply of UTP Material | | | | |
| 1 | Quad Face Plate for Data & Voice. Make: Molex/ schenider | Nos | 167 | | |
| 2 | Surface Box for Card Reader & Exit buton . Make: Molex/ schenider | Nos | 10 | | |
| 3 | SL Series 110 Type Cat 6 I/O Keystone for Data. Make: Molex/ schenider | Nos | 334 | | |
| 4 | Cat 6 Cable for Data (305 Mtrs) Grey. Make: Molex/ schenider | Nos | 60 | | |
| 5 | SL Series 110 Type Cat 5e I/O Keystone for Voice. Make: Molex/ schenider | Nos | 334 | | |
| 6 | Cat 5e Cable for Voice (305 Mtrs) Blue. Make: Molex/ schenider | Nos | 60 | | |
| 7 | Cat 5e Cable for Access Controller Card Reader (305 Mtrs Yellow). Make: Molex/ schenider | Boxes | 3 | | |
| 8 | Cat 6 Patch Cord for Data - 2 M for Users with Sunglass Boot (Grey). Make: Molex/ schenider | Nos | 167 | | |

| | | | | | |
|--|---|-----|-----|--|--|
| 9 | Cat 5e Patch Cord for Voice - 2 M for Users with Sunglass Boot (Blue). Make: Molex/ schenider | Nos | 167 | | |
| 10 | RJ 45 Connector for Biometric Attendance Machine. Make: Molex/ schenider | Nos | 2 | | |
| 11 | 3+1 CCTV Camera Cable Bundle (90 Mtrs.). Make: Local | Nos | 20 | | |
| 12 | 32 x 10 Pair MDF Krone Modules. Make: Krone | Nos | 34 | | |
| 13 | 200 pair Metal MDF Krone Box. Make: Krone | Nos | 2 | | |
| Rack Components | | | | | |
| 1 | Patch Cord CAT6 for Data - 1M in Rack (Grey). Make: Molex/ schenider | Nos | 334 | | |
| 2 | Patch Cord CAT5e for Voice - 1M in Rack (Blue). Make: Molex/ schenider | Nos | 0 | | |
| 3 | Patch Cord CAT6 for CCTV DVR & access door controller - 10M in Rack (Yellow). Make: Molex/ schenider | Nos | 3 | | |
| 4 | 24 Port Cat 6 Patch Panel for Data. Make: Molex/ schenider | Nos | 14 | | |
| 5 | RJ45-RJ45, Cat 6 Patch Cords - 10 Mtr Length with Sunglass Boot. Make: Molex/ schenider | Nos | 15 | | |
| 6 | 1 U Cable Manager. Make: Netrack | Nos | 14 | | |
| 7 | 42 U Network Rack with standard accessories. Make: Netrack | Nos | 1 | | |
| Integration & Commissioning | | | | | |
| 1 | INSTALLATION OF UTP PORTS:- Scope of work (Data, Voice, CCTV, Biometric & access door controller) :- | | | | |
| 2 | PITS:- Laying Of UTP Cable , Termination of Information Outlets, Termination of Jack panels, Fixing of Face Plates, Installation of 19" Rack, Termination and Installation of Patch Panels, Patching, Dressing, Labeling Testing and Documentation. | 1 | LS | | |
| Sub Total - LAN | | | | | |
| Add:- Sales Tax (VAT) | | | | | |
| Add:- Service Tax | | | | | |
| Sub Total Including Tax - LAN | | | | | |

Abstract of Bill of Quantity Including Taxes and Transport

| Sr. No. | Description | Value Before Tax | Sales Tax (VAT) | Service Tax | Total Value including Taxes and Transport |
|--------------------|-----------------------------|------------------|-----------------|-------------|---|
| 1 | Civil Work | | | | |
| 2 | Carpentary Work | | | | |
| 3 | False Ceiling and Finishing | | | | |
| 4 | Electrical | | | | |
| 5 | Access Control, CCTV Camera | | | | |
| 6 | Air Conditioning | | | | |
| 7 | LAN | | | | |
| Total Value | | | | | |

Ref:Tender Notice No: GVKEMRI/Assam/SCM/01/2016-17

Date: 22/12/2016